

## CLAIMS

**Claim 1 (currently amended):** A gas mixture, in particular for inflating the ~~tyres~~ tires of vehicles, ~~characterised in that it consists of~~ comprising: a mixture with a high heat transfer capacity.

**Claim 2 (currently amended):** A gas mixture suitable for injection to inflate the ~~tyres~~ tires of vehicles of ~~according to claim 1, characterised in that this~~ wherein said mixture ~~with a heat transfer capacity consists~~ comprises ~~[[of]]~~ hydrofluorocarbon-based compositions.

**Claim 3 (currently amended):** A gas mixture ~~according to one of the foregoing claims, characterised in that this~~ of claim 2, wherein said hydrofluorocarbon- based composition comprises a percentage of pentafluoroethane HFC 125.

**Claim 4 (currently amended):** A gas mixture ~~according to one of the foregoing claims, characterised in that this~~ of claim 2, wherein said hydrofluorocarbon- based composition comprises a percentage of trifluoroethane HFC 143A.

**Claim 5 (currently amended):** A gas mixture ~~according to one of the foregoing claims, characterised in that this~~ of claim 2, wherein said hydrofluorocarbon- based composition comprises a percentage of tetrafluoroethane HFC 134A.

**Claim 6 (currently amended):** A gas mixture ~~according to one of the foregoing claims, characterised in that this~~ of claim 3, wherein said hydrofluorocarbon- based composition comprises: 44% of Pentafluoroethane HFC 125[[,]]; 52% of Trifluoroethane HFC 143A; and 4% of Tetrafluoroethane HFC 134A, to obtain a basic mixture called HFC 404A.

**Claim 7 (currently amended):** A gas mixture ~~according to one of the foregoing claims, characterised in that this~~ comprises of claim 2 further comprising: a percentage of carbon dioxide.

**Claim 8 (currently amended):** A gas mixture ~~according to~~ of claim 7, characterised in that the wherein said percentage of carbon dioxide is around 50%.

**Claim 9 (currently amended):** A gas mixture ~~according to~~ of claim 8, characterised in that it consists of 50% of ~~Cor~~, further comprising: 22% of HFC 125 Pentafluoroethane, 26% of HFC 143A Trifluoroethane, and 2% of HFC 134A Tetrafluoroethane.

**Claim 10 (new):** A gas mixture ~~according to one of the foregoing claims,~~  
~~characterised in that this~~ of claim 2, wherein said hydrofluorocarbon- based composition  
comprises a percentage of trifluoroethane HFC 143A.

**Claim 11 (new):** A gas mixture ~~according to one of the foregoing claims,~~  
~~characterised in that this~~ of claim 3, wherein said hydrofluorocarbon- based composition  
comprises a percentage of tetrafluoroethane HFC 134A.

**Claim 12 (new):** A gas mixture ~~according to one of the foregoing claims,~~  
~~characterised in that this~~ of claim 4, wherein said hydrofluorocarbon- based composition  
comprises a percentage of tetrafluoroethane HFC 134A.

**Claim 13 (new):** A gas mixture ~~according to one of the foregoing claims,~~  
~~characterised in that this comprises~~ of claim 3 further comprising: a percentage of carbon  
dioxide.

**Claim 14 (new):** A gas mixture ~~according to one of the foregoing claims,~~  
~~characterised in that this comprises~~ of claim 4 further comprising: a percentage of carbon  
dioxide.

**Claim 15 (new):** A gas mixture ~~according to one of the foregoing claims,~~  
~~characterised in that this comprises~~ of claim 5 further comprising: a percentage of carbon  
dioxide.